

FILE ID**LIBREVERT

N 9

LIB
1-0

```
1 0001 0 MODULE LIB$REVERT (%TITLE'Revert handler'  
2 0 IDENT = '1-002' ! File: LIBREVERT.B32 Edit: SBL1002  
3 0 ) =  
4 1 BEGIN  
5 1  
6 1  
7 1 *****  
8 1 *  
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26 1 *  
27 1 *  
28 1 *****  
29 1  
30 1  
31 1 **  
32 1 FACILITY: Utility Library  
33 1  
34 1 ABSTRACT:  
35 1  
36 1 LIB$REVERT deletes the handler associated with  
37 1 the procedure activation of the caller. This is done  
38 1 by clearing the handler address in the stack frame  
39 1 of the caller. The handler address which had been  
40 1 associated with the caller is returned as the value.  
41 1  
42 1 ENVIRONMENT: User mode, re-entrant, AST level or not or mixed.  
43 1  
44 1 AUTHOR: Thomas N. Hastings CREATION DATE: 8-Oct-77  
45 1  
46 1 MODIFIED BY:  
47 1  
48 1 Thomas N. Hastings, 8-Oct-77: VERSION 0  
49 1 01 - original  
50 1 0-2 - Added SFS symbols. TNH 8-Oct-77  
51 1 0-3 - Declare PSETTs. TNH 19-Dec-77  
52 1 0-04 - Change to STARLET library. DGP 20-Apr-78  
53 1 0-05 - Change REQUIRE files for VAX system build. DGP 28-Apr-78  
54 1 0-06 - Change STARLET to RTLSTARLE to avoid conflicts. DGP 1-May-78  
55 1 0-07 - Change file name to LIBREVERT.B32, and change the name of  
56 1 the REQUIRE file similarly. JBS 14-NOV-78  
57 1 1-001 - Update version number and copyright notice. JBS 16-NOV-78
```

LIBSREVERT
1-002

Revert handler

C 10
16-Sep-1984 01:12:34
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]LIBREVERT.B32;1

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: 58 0058 1 | 1-002 - Use prologue file. SBL 24-June-198
: 59 0059 1 |--

61 0060 1 | PROLOGUE FILE:
62 0061 1 |
63 0062 1 |
64 0063 1 |
65 0064 1 REQUIRE 'RTLIN:LIBPROLOG'; ! LIB\$ definitions
66 0135 1 |
67 0136 1 |
68 0137 1 | TABLE OF CONTENTS:
69 0138 1 |
70 0139 1 |
71 0140 1 FORWARD ROUTINE
72 0141 1 |
73 0142 1 LIB\$REVERT; ! Revert error handler
74 0143 1 |
75 0144 1 |
76 0145 1 | MACROS:
77 0146 1 |
78 0147 1 |
79 0148 1 |
80 0149 1 | EQUATED SYMBOLS:
81 0150 1 |
82 0151 1 |
83 0152 1 |
84 0153 1 | OWN STORAGE:
85 0154 1 |
86 0155 1 |
87 0156 1 |
88 0157 1 | EXTERNAL REFERENCES:
89 0158 1 |
90 0159 1 |

```
92      0160 1 GLOBAL ROUTINE LIBSREVERT
93          0161 1 = ! Value is old handler
94          0162 1 ++
95          0163 1 :++
96          0164 1 : FUNCTIONAL DESCRIPTION:
97          0165 1 :
98          0166 1 : LIB$REVERT deletes the handler associated with
99          0167 1 : the procedure activation of the caller. This is done
100         0168 1 : by clearing the handler address in the stack frame
101         0169 1 : of the caller. The handler address which had been
102         0170 1 : associated with the caller is returned as the value.
103         0171 1 :
104         0172 1 : FORMAL PARAMETERS:
105         0173 1 :
106         0174 1 :     None
107         0175 1 :
108         0176 1 : IMPLICIT INPUTS:
109         0177 1 :
110         0178 1 :     NONE
111         0179 1 :
112         0180 1 : IMPLICIT OUTPUTS:
113         0181 1 :
114         0182 1 :     NONE
115         0183 1 :
116         0184 1 : ROUTINE VALUE:
117         0185 1 :
118         0186 1 :     OLD_HANDLER.wa.v previous contents of SFSA_HANDLER
119         0187 1 : of the callers frame.
120         0188 1 :
121         0189 1 : COMPLETION CODES:
122         0190 1 :
123         0191 1 :     NONE
124         0192 1 :
125         0193 1 : SIDE EFFECTS:
126         0194 1 :
127         0195 1 :     The callers stack frame will be modified.
128         0196 1 :
129         0197 1 :--
130         0198 1 :
131         0199 2 : BEGIN
132         0200 2 :
133         0201 2 : LOCAL
134         0202 2 :     OLD_HANDLER; ! store the old handler address
135         0203 2 : BUILTIN
136         0204 2 :     FP;
137         0205 2 : MAP
138         0206 2 :     FP: REF BLOCK[BYTE];
139         0207 2 :     OLD_HANDLER = ..FP[SFSL_SAVE_FP];
140         0208 2 :     .FP[SFSL SAVE FP] = 0;
141         0209 2 : RETURN .OLD_HANDLER;
142         0210 1 : END; !End of LIBSREVERT
```

.TITLE LIBSREVERT Revert handler
.IDENT \1-002\

LIB\$REVERT
1-002

Revert handler

F 10
16-Sep-1984 01:12:34 VAX-11 Bliss-32 v4.0-742
14-Sep-1984 12:39:21 [LIBRTL.SRC]LIBREVERT.B32;1

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LIE
1-(

.PSECT _LIB\$CODE,NOWRT, SHR, PIC,2

50	OC BE 0000 00000	.ENTRY LIB\$REVERT, Save nothing	: 0160
	OC BE D0 00002	MOVL a12(FP), OLD_HANDLER	: 0207
	OC BE D4 00006	CLRL a12(FP)	: 0208
	04 00009	RET	: 0210

; Routine Size: 10 bytes, Routine Base: _LIB\$CODE + 0000

LIB\$REVERT
1-002

Revert handler

G 10
16-Sep-1984 01:12:34
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[LIBRTL.SRC]LIBREVERT.B32;1

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: 144 0211 1 END
: 145 0212 0 ELUDOM

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
_LIBSCODE	10	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:00.8
\$255\$DUA28:[LIBRTL.OBJ]RTLLIB.L32;1	36	0	0	8	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LISS:LIBREVERT/OBJ=OBJ\$:LIBREVERT MSRC\$:LIBREVERT/UPDATE=(ENHS:LIBREVERT)

Size: 10 code + 0 data bytes
Run Time: 00:02.1
Elapsed Time: 00:12.4
Lines/CPU Min: 6000
Lexemes/CPU-Min: 8405
Memory Used: 28 pages
Compilation Complete

0209 AH-BT13A-SE
VAX/VMS V4.0

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